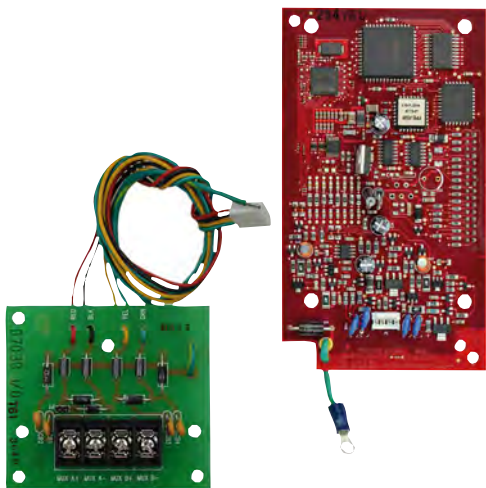


FPE-7039 MUX expansion module

www.boschsecurity.com



- Provides two Class B multiplex buses (supports addresses 9 to 128, 129 to 255)
- Provides one Class A multiplex bus (supports addresses 9 to 128)
- Allows system to support conventional and addressable devices at the same time
- Scales from a conventional to an addressable system without changing the control panel
- Increases event history buffer to 499 events

The FPE-7039 MUX expansion module is designed to enhance the conventional features of the FPD-7024, D7024 or DS9400 FACP. The module connects directly to the FACP and results in a total of up to 255 addressable points. The module also increases the number of relay outputs (to 58 on the D7024 control panels and 59 on FPD 7024 control panels). It adds an additional 400 events to the history buffer for a total of 499 non volatile events. It also allows for up to 100 system users (an addition of 84 PINs from the base system). The module can be programmed remotely from a PC using the RPS Remote programming software.

Notice
The D7024 and DS9400 panels are listed to UL864, 8th edition.

Certifications and approvals

Region	Certification	
USA	UL	UOJZ: Control Units, System (ANSI/UL 864)
	CSFM	see our website

Installation/configuration notes

Compatible Products

The following products are compatible with the FPE-7039 MUX expansion module:

Category	Product ID	Product Description
Control Panels	FPD-7024	Addressable and conventional FACP
	D7024*	Addressable and conventional FACP
	DS9400*	Control panels
Modules	D343*	MUX duct detector housing with auxiliary relay
	D7042	MUX remote module, 8-input class B
	D7042B	MUX module w/ metal enclosure, 8-input
	D7044	MUX single-input module, 12V
	D7044M	MUX mini single-input module, 12V
	D7050	MUX smoke head
	D7050DH	MUX duct smoke head

D7050TH	MUX smoke head w/ fixed heat (135°F)
D7050-B6	MUX base, 2-wire
D7052	MUX dual-input module, 12V
D7053	MUX input/output module, 12V
FLM-7024-ISO	MUX bus expansion module
FMM-7045	MUX manual station, single-action, red
FMM-7045-D	MUX manual station, double-action, red

*Legacy product not available for purchase. Legacy products were investigated to comply only to UL864 8th edition or earlier.

Mounting Considerations

The module mounts onto the control panel board inside of the control panel's enclosure using connector pins. The Input\Output board mounts to the inside wall of the enclosure for field wiring.

Wiring Considerations

Refer to control panel's installation guide for additional wiring requirements.



Notice

If used in fire applications, a minimum of 18 AWG (ISO 0.75 mm²) is required.

Wire resistance	50 Ω at +20°C (+68°F), depends on method and wire sized used
Wire length	5950 ft (1810 m), depends on wire size and number of devices
Wire capacitance	< 0.12 μF (max per bus)



Notice

Do **not** use shielded wire. Twisted-pair wire is not recommended, but is acceptable if wire length is reduced by 50%.

Technical specifications

Environmental

Environment	Indoor, dry
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Power

Current Draw	
Alarm	190 mA maximum
Load, Class A	100 mA maximum
Load, Class B	100 mA maximum for each bus
Standby	190 mA maximum
Bus Voltage	8.5 V to 13 V
Wire Resistance (maximum)	50 Ω at +20°C (+68°F), depends on method and wire sized used

Ordering information

FPE-7039 MUX expansion module

It enhances the features of the FACPs. It increases the number of addressable points to 247. It increases the number of relay outputs to 58 on the D7024/DS9400 or 59 on the FPD-7024. It increases number of events on the history buffer to 499.

Order number **FPE-7039**

Parts included

Quantity	Component
1	FPE-7039 board
1	FPE-7039 Input/output board
3	Standoffs for Input/output board
4	Standoffs for FPE-7039 board
1	Literature pack

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